

PAT-NO: JP361106683A
DOCUMENT-IDENTIFIER: JP 61106683 A
TITLE: WATER-BASED INK FOR BALL-POINT PEN
PUBN-DATE: May 24, 1986

INVENTOR-INFORMATION:

NAME
HAMAMOTO, HIDETOSHI

ASSIGNEE-INFORMATION:

NAME PENTEL KK	COUNTRY N/A
-------------------	----------------

APPL-NO: JP59228386

APPL-DATE: October 30, 1984

INT-CL (IPC): C09D011/18

US-CL-CURRENT: 106/31.58

ABSTRACT:

PURPOSE: A water-based ink for ball-point pen with excellent lubricity and giving a feeling of smoothness in writing, prep'd. by additionally compounding a humic acid salt with a conventional ball-point ink compsn.

CONSTITUTION: About 1∼15wt% water-soluble dye, about 10∼40wt% water-soluble org. solvent, about 50∼80wt% water, a primary solvent and about 0.01∼3wt% humic acid salt, each based on the total wt. of the ink, are mixed and dissolved, if necessary, by heating to obtain a water-based ink for a ball- point pen. A sodium, potassium, ammonium or the ink salt may be used as the humic acid salt.

COPYRIGHT: (C) 1986, JPO&Japio